



Transdisciplinary Theme

How The World Works

Central Idea

Materials are chosen according to the purpose and design of the structure being built.



Lines of Inquiry

- The properties and uses of different materials
- Structural designs and the materials used to suit them
- Building materials used for structures in different places

Attitude focus

Creativity
Independence



Learner profile

Open-minded
Risk taker
Communicator

Teacher Questions

- What are the properties and uses of different materials?
- How do people decide what materials to use in their structures?
- What are some of the historical changes in building materials?
- What are the different types of structures?

Music

Performing

Singing:

Continue to develop ensemble skills and respond to directions from a conductor. Focus on the theme of The show must go on.

Playing instruments:

Perform expressively demonstrating tempo and dynamics on Guitar.

Creating & Composing / Notation

Identify combine and organize sounds in simple musical forms including ternary and rondo.

Record and communicate musical ideas through more detailed *notation*

Listening and

appreciation

Identify tone color, structure, melody, harmony, and rhythm of songs used in Musical.

Demonstrate an understanding of the actor/audience relationship.

Reflect and self-evaluate performance



P.E.

Gymnastics

The students will focus on floor sequences that will include hand stands, shoulder stands, different ways of travelling and balances. In vaulting we will focus on mounts, dismounts, flights and landings.

In collaboration with the home room unit we will focus on Irish line dancing.



Skills outline

Students will use their **research** skills when looking for information about the properties of materials and also buildings in their home country. The summative assessment will be an individual task therefore they will exercise their **self-management** skills. All of the information that they have gathered in their research will be applied to the school that they will be designing therefore demonstrating their **thinking** skills

Learning engagement examples

Language Integration

- Researching properties of materials using non-fiction books and websites.
- Writing a report about the school they will be designing as their summative assessment.
- Making posters about the properties of materials and where these materials are commonly used.

Maths focus

- Symmetry, rotation and translation will be explored.

Summative Assessment Information

Students will design a school in their home country using the program Google Sketchup. They will include everything they feel is appropriate for their learning. They will need to justify their selections in a report, which will involve writing about the materials and design chosen.

Key Dates

9th June	Student led conferences.
27th June	Reports to be sent home
30th June	Last day of term

How parents can help

This unit requires that students use the architectural program Google Sketchup. This software is free and easily downloadable from the following link. We have asked that students download it at home to practice and improve their skills. Please ensure they do so.

<http://sketchup.google.com/intl/en/download/index.html>

We ask that each child write in their reading log every evening including weekends as some students are still not doing so. Read with your child as often as possible and question them on the content. This will help with pronunciation and understanding of what has been read. Please encourage your child to explore the websites posted on the Wiki in the How The World Works page. Only send nutritious food at snack time (excluding nuts).



The main ingredient in Nutella is hazel nuts and not chocolate as the children think. Therefore it is not acceptable for your child to have at school.

Wiki Address

Year 6 has a Wiki page where you as parents as well as your children can go to. The address is as follows;

<http://yr6islq.wikispaces.com/>

Unit Vocabulary

architecture
symmetry
material
design
construction
bridge
structure
skyscraper
architect
building